INTERNATIONAL SEARCH REPORT

Internal Application No PCT/DE2004/001344

A. CLASS	SIFICATION OF S	SUBJECT		
IPC 7	H01L33	/00	H0185,	/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC $\,7\,$ H01L H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

E lectronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB, INSPEC, COMPENDEX

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
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Х	DE 197 56 856 A1 (SHARP K.K., OSAKA, JP) 2 July 1998 (1998-07-02) column 6, lines 51-67 column 8, lines 37-63 column 12, lines 4-31; figures 1,3	1-15	
X	EP 0 762 516 A (MITSUBISHI CABLE INDUSTRIES, LTD) 12 March 1997 (1997-03-12) page 2, line 53 - page 3, line 18; figures 1,2	1-15	
X	EP 1 079 444 A (TOYODA GOSEI CO., LTD) 28 February 2001 (2001-02-28) column 3, lines 33-55 column 7, line 16.44 column 8, lines 31-45 abstract; figures 1-10	1-15	
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents: A** document defining the general state of the art which is not considered to be of particular relevance E** earlier document but published on or after the international filing date L** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O** document referring to an oral disclosure, use, exhibition or other means P** document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the dalmed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the daimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documenting, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 			
Date of the actual completion of the international search	Date of mailing of the international search report			
14 February 2005	23/02/2005			
Name and mailing address of the ISA	Authorized officer			
European Patent Office, P.B. 5818 Patentlaan 2 NL. – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Gnugesser, H			

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A	US 2002/053665 A1 (TSUDA YUHZOH ET AL) 9 May 2002 (2002-05-09) abstract	1
A	WO 00/24097 A (HEWLETT-PACKARD COMPANY; TAKEUCHI, TETSUYA; KANEKO, YAWARA; YAMADA, NO) 27 April 2000 (2000-04-27) abstract; figure 2	1,8
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